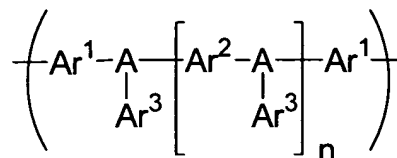


AMENDMENTS TO THE CLAIMS

- 1) (Original) An optionally substituted oligomer or polymer comprising a repeat unit of formula (I):

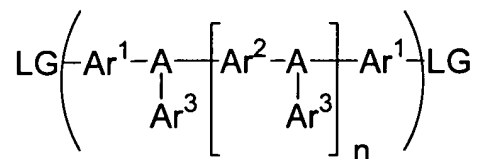


(I)

wherein n is at least 1; each A is a nitrogen atom or optionally substituted phosphorus atom; each Ar¹ is the same or different and independently represents an optionally substituted arylene or heteroarylene; each Ar³ is the same or different and independently represents an optionally substituted aryl or heteroaryl; Ar² represents an optionally substituted arylene or heteroarylene comprising a linking ring to which the two atoms A are both directly linked; and at least one of Ar², and / or either or both of Ar¹ is substituted with at least one substituent.

- 2) (Original) An oligomer or polymer according to claim 1 wherein the substituent on Ar¹ or Ar² is selected from the group consisting of optionally substituted, aliphatic or alicyclic C₁₋₂₀ alkyl; C₁₋₂₀ fluoroalkyl; C₁₋₂₀ alkoxy; halogen; nitro; cyano; sulfone and sulfoxide.
- 3) (Currently amended) An oligomer or polymer according to claim 1 ~~[or 2]~~ wherein Ar² carries one or two substituents only.
- 4) (Currently amended) An oligomer or polymer according to ~~any preceding claim~~ claim 1, wherein each Ar¹ and Ar² are phenyl.
- 5) (Currently amended) An oligomer or polymer according to ~~any preceding claim~~ claim 1, wherein Ar³ is optionally substituted phenyl.
- 6) (Currently amended) An oligomer or polymer according to ~~any preceding claim~~ claim 1, wherein the oligomer or polymer comprises at least a second repeat unit.

- 7) (Original) An oligomer or polymer according to claim 6 wherein the further repeat unit is conjugated to the first repeat unit.
- 8) (Currently amended) An oligomer or polymer according to claim 6 [~~or 7~~] wherein any further repeat unit is selected from optionally substituted phenyl, fluorene, spirobifluorene, indenofluorene, heteroaryl, dihydrophenanthrene or triarylamine.
- 9) (Currently amended) An oligomer or polymer according to ~~any preceding claim~~ claim 1, wherein at least one Ar³ is substituted by a substituent selected from the group consisting of optionally substituted, branched, cyclic or linear C₁₋₂₀ alkyl or C₁₋₂₀ alkoxy; C₁₋₂₀ fluoroalkyl and fluorine.
- 10) (Currently amended) A blend comprising ~~an oligomer~~ the oligomer or polymer according to ~~any preceding claim~~ claim 1, and an organic compound capable of at least one of the functions of hole transport, electron transport and emission.
- 11) (Original) An optionally substituted monomer of formula (II):



(II)

wherein ~~Ar¹, Ar² and Ar³, A and n are as defined in any one of claims 1-9;~~

n is at least 1;

each A is a nitrogen atom or optionally substituted phosphorus atom;

each Ar¹ is the same or different and independently represents an optionally substituted arylene or heteroarylene;

each Ar³ is the same or different and independently represents an optionally substituted aryl or heteroaryl;

Ar² represents an optionally substituted arylene or heteroarylene comprising a linking ring to which the two atoms A are both directly linked; and at least one of Ar², and / or either or both of Ar¹ is substituted with at least one substituent

LG is the same or different and represents a leaving group capable of participating in a polycondensation mediated by a metal of variable oxidation state; and at least one of Ar² and / or either or both of Ar¹ is substituted with at least one substituent.

12) (Original) A monomer according to claim 11 wherein each LG is the same or different and is independently ~~selected from halogen~~ a halogen; a reactive boronic group selected from a boronic acid group, a boronic ester group and a borane group; or a moiety of formula -O-SO₂-Z wherein Z is selected from the group consisting of optionally substituted alkyl and aryl.

13) (Currently amended) A method of forming an oligomer or polymer comprising the step of oligomerising or polymerising a monomer according to claim 11 ~~[or 12]~~ wherein said oligomerisation or polymerisation is mediated by a metal of variable oxidation state.

14) (Currently amended) A method according to claim 13 wherein each LG is independently a halogen or a moiety of formula -O-SO₂-Z ~~as defined in claim 12~~ wherein Z is selected from the group consisting of optionally substituted alkyl and aryl, and the monomer of formula (II) is oligomerised or polymerised in the presence of a nickel complex catalyst.

15) (Original) A method according to claim 14 wherein the monomer of formula (II) is oligomerised or polymerised with a second aromatic monomer in the presence of a palladium complex catalyst and a base and

a. each LG is the same or different and comprises a reactive boronic group and the second monomer comprises two reactive groups independently selected from halogen and a moiety of formula -O-SO₂-Z as defined in claim 12, or

b. each LG independently comprises a halogen or a moiety of formula -O-SO₂-Z ~~as defined in claim 12~~ wherein Z is selected from the group consisting of optionally substituted alkyl and aryl, and the second monomer comprises two reactive boron groups which are the same or different.

- 16) (Original) A method according to claim 13 wherein one LG is a reactive boron group; the other LG is a halogen or a moiety of formula $-O-SO_2-Z$ ~~as defined in claim 12~~; wherein Z is selected from the group consisting of optionally substituted alkyl and aryl, and the monomer of formula (II) is oligomerised or polymerised in the presence of a palladium complex catalyst and a base.
- 17) (Currently amended) An optical device comprising ~~an oligomer~~ the oligomer or polymer according to ~~any one of claims 1 to 9~~ claim 1.
- 18) (Currently amended) An optical device ~~according to claim 17 wherein the oligomer or polymer is provided as a~~ comprising the blend according to claim 10.
- 19) (Currently amended) An optical device according to claim 17 ~~[or 18]~~ wherein the oligomer or polymer or blend is located in a layer between a first electrode for injection of holes and a second electrode for injection of electrons.
- 20) (Currently amended) An optical device according to ~~any one of claims 17-19~~ claim 17, wherein the optical device is that is an electroluminescent device.
- 21) (Currently amended) A switching device comprising an oligomer or polymer according to claim 1 ~~any one of claims 1 to 9~~.
- 22) (Currently amended) A field effect transistor comprising an insulator having a first side and a second side; a gate electrode located on the first side of the insulator; an oligomer or polymer according to claim 1 ~~any one of claims 1 to 9~~ located on the second side of the insulator; and a drain electrode and a source electrode located on the oligomer or polymer.
- 23) (Original) An integrated circuit comprising a field effect transistor according to claim 22.